

ATTACHMENT - J.8

CONTENTS OF A TYPICAL QC PLAN

CONTENTS OF TYPICAL QUALITY CONTROL PLAN

ATTACHMENT J.8

- 1. APPLICABLE DOCUMENTS**
 - a. Specifications
 - b. Project Drawings
 - c. Publications
 - d. Handbooks
- 2. MANAGEMENT, ORGANIZATION AND PERSONNEL**
 - a. Organization Chart - General
 - b. Organization Chart - Quality Assurance
 - c. Plant Layout
 - d. List and Location of Quality Control Inspection Stations
 - e. Resumes of Quality Assurance Personnel
- 3. QUALITY CONTROL ENGINEERING**
 - a. Quality Control Policy
 - b. Preparation and Issuance of Quality Control Procedures
 - c. Quality Inspection System
 - d. Acceptance Sampling Plans
 - e. Quality Control Charts
 - f. Quality Control Audit Program
- 4. QUALITY CONTROL FORMS AND DOCUMENTS**
 - a. "Approved" Tag
 - b. "Hold" Tag
 - c. "Reject Part" Tag
 - d. Nonconformance Report
 - e. Failure Report
 - f. Corrective Action Request
 - g. Test Discrepancy Report
 - h. Receiving Report (Materials and Equipment)
 - i. "Age-Sensitive Material" Tag
 - j. Log of Daily Activities
 - k. Log of Daily Inspections and Results
 - l. Log of Daily Tests and Results
 - m. Log of Accident Prevention Activities and Accidents
- 5. DATA REPORTING AND RETENTION**
 - a. Quality Control Records
 - b. Storage of Quality Records
- 6. TRAINING PROGRAMS**
 - a. Quality Control Course for Supervisory Personnel
 - b. Training of Operators
 - c. Training of Inspectors
 - d. Certification of Operator/Inspection Personnel

7. **ENGINEERING CONTROL**
 - a. Drawings, Specifications and Standards
 - b. Test Specifications
 - c. Drafting Procedures
 - d. Engineering Changes
 - e. Drawing and Specification Review
 - f. Configuration Management Procedures
8. **PURCHASING CONTROL**
 - a. Purchasing Procedures
 - b. Selection of Procurement Sources
 - c. Review and Approval of Purchase Orders
9. **PURCHASED MATERIALS**
 - a. Procurement Documents
 - b. Incoming Inspection
 - c. Control and Storage of Purchased Material Parts and Assemblies
 - d. Vendor Corrective Action
 - e. Surveillance of Subcontractors
 - f. Failure and Deficiency Feedback
10. **MANUFACTURING AND PROCESS CONTROLS**
 - a. Shop Operations
 - b. Materials and Material Control
 - c. Material Flow
 - d. Workmanship Standards
 - e. Production Processing and Fabrication
 - f. Measuring and Testing Equipment
 - g. Standard Repairs
 - h. In-Process Inspection
 - i. Identification and Storage of Limited-Life Items
 - j. Special Processes
11. **SITE CONSTRUCTION CONTROLS**
 - a. Materials and Material Control
 - b. Material Flow
 - c. Workmanship Standards
 - d. Construction Assembly and Fabrication
 - e. Measuring and Testing Equipment/Methods
 - f. In-Process Inspection
12. **FINAL PRODUCT ACCEPTANCE**
 - a. Quality Assurance Testing
 - b. Lot Acceptance
 - c. Inspection and Test Procedures
 - d. Inspection Stamps

- e. Returned Products (from Field)
- f. Test Review Board
- 13. **SITE CONSTRUCTION ACCEPTANCE**
 - a. Conformance to Contract Specifications
 - b. Conformance to Contract Drawings
 - c. Operational Status of All Systems and Subsystems
- 14. **DISCREPANT MATERIAL CONTROL**
 - a. Material Review Board
 - b. Reject, Rework and/or Scrap Procedure
 - c. Control of Nonconforming Material
- 15. **FAILURE ANALYSIS AND CORRECTIVE ACTION**
 - a. Methods and Techniques of Failure Analysis and Corrective Action
- 16. **EQUIPMENT CALIBRATION AND STANDARDS**
 - a. Electrical Measuring Instruments
 - b. Calibration and Evaluation of Test Equipment
 - c. Tool and Gauge Control
- 17. **PACKAGING AND SHIPPING CONTROLS**
 - a. Packaging, Shipping and Storage Procedure
 - b. Preservation and Handling
- 18. **GLOSSARY OF QUALITY CONTROL TERMS**
 - a. Definitions of Common Quality Control Terms

ATTACHMENT - J.9
IBB CAD STANDARDS

ATTACHMENT J.9

International Broadcasting Bureau (IBB)

CAD Standards

Revision E, 03/2005

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TABLE OF CONTENTS

TABLE OF CONTENTS	2
INTRODUCTION	3
Overview	3
Why CAD Standards?	3
Purpose of this Document	3
WORKSTATION CONFIGURATION	4
Software	4
Installation	4
Configuration	4
SUPPORT FILES	5
Overview	5
Network File Locations	5
FILE ORGANIZATION AND NAMING CONVENTION	6
Overview	6
File Naming	6
As-built Drawings	6
Project Drawings	6
Sheet Naming Convention	7
LAYERING	10
Overview	10
Naming	10
Properties	17
TEMPLATES	25
Overview	25
Drawing Setup	25
Units and Limits	25
Layers	25
Text and Dimension Styles	26
Layouts	26
Existing Drawings	26
TEXT	27
Styles	27
DIMENSIONS	29
Styles	29
Dimension Variables	30
PLOTTING AND LAYOUTS	33
Overview	33
Titleblocks	33
Layouts	33
Plot Style Tables	34

INTRODUCTION

Overview

This document is intended to provide the International Broadcasting Bureau (IBB) with standards to ensure uniform and consistent CAD production. These standards will provide CAD users, engineers, and project managers with consistent guidelines for CAD production. This manual's objectives are as follows:

- Free the operator and project manager from repeatedly determining the conventions and procedures to be used on each project
- Create uniform design, presentation and construction information and establish a clear and precise method of communication
- Create a uniform installation configuration to limit the time and involvement in maintaining the CAD workstations

The CAD Standards shall be used at all times for all CAD production. Any deviations from these standards must have prior approval.

Why CAD Standards?

Within any project, no matter of its size, there is a need to share graphical information in an easy, quick and efficient manner, without causing the reworking of the data to suit individuals needs. For this to work, a common set of standards must be used and adhered to.

The long-term use of CAD data requires that all data files be created and modified in a consistent manner. This is to enable future users of the data to easily understand it. The way you create CAD drawings and how you use them becomes your CAD Standards.

"The Success of any CAD Standard depends largely on the co-operation of everybody using the system."

Purpose of this Document

This document specifies the guidelines, which CAD operators should adopt, to ensure that CAD data is of a high standard and to a uniform and consistent format.

This document is intended to be used as a regular reference, to assist the CAD Users in their 'day to day' model and drawing production.

WORKSTATION CONFIGURATION

Software

Installation

As of this writing, AutoCAD 2004 is the latest version, though these CAD Standards have been developed to accommodate all the following software:

- AutoCAD 2004
- AutoCAD LT 2004
- All industry-specific variations of AutoCAD based on the above versions including Architectural Desktop, Land Desktop, and Mechanical Desktop

Configuration

After the updates are installed, some configuration is needed. Many of the support files for the CAD Standard are located on the network so that every user has access to them. The remainder of this document will refer to that network location as:

X:\

For the IBB Headquarters in Washington, D.C., the "X:\" path is defined as:

S:\ *Engineer \ Tech* (mapped)

\\ *File1 \ s \ engineer \ tech* (full path)

If you are not part of the IBB Headquarters network, you will need to replace any instance of "X:\" within this document with the path to the CAD Standards on your network (please refer to the section named "Support Files" for more information).

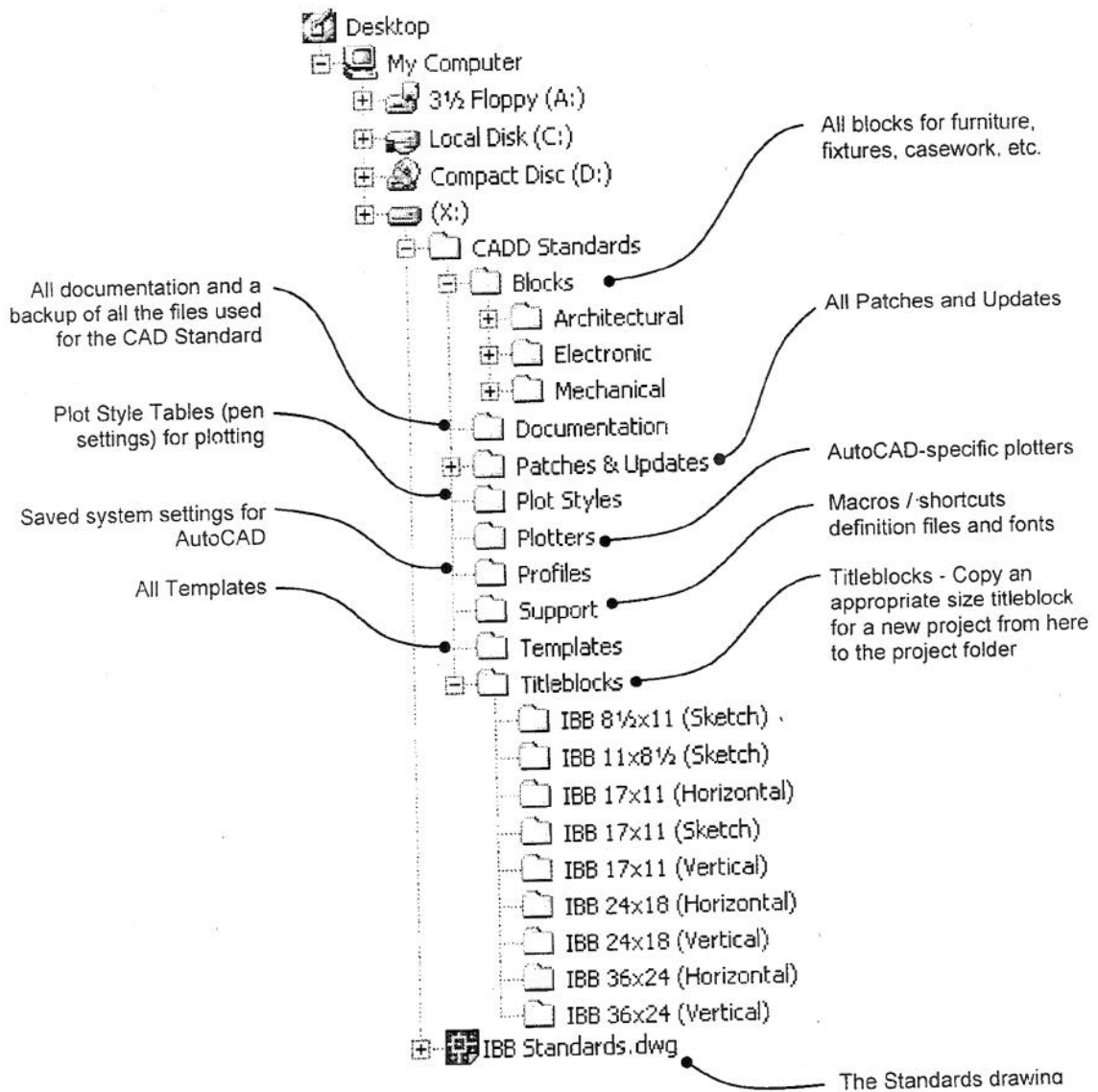
SUPPORT FILES

Overview

Even though AutoCAD is installed locally on each workstation, many files used by AutoCAD can be located on a network so that everyone will access the same information.

Network File Locations

The following illustrates the network folder structure where the support files for AutoCAD are located. It only shows the folders pertinent to the CAD Standard, many more may exist:



Note: Replace any instance of "X:\\" with your network path to the CAD Standards.

FILE ORGANIZATION AND NAMING CONVENTION

Overview

A system of file naming and organization has been developed based on:

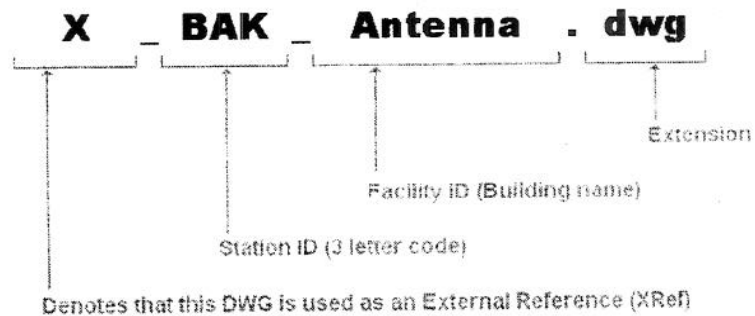
- Location (i.e. BAK for Bangkok, MOR for Morocco, etc.)
- Project Number (a unique four-digit number)
- Drawing type (an As-built or a Project drawing)

The following section details how the system works.

File Naming

As-built Drawings

The following diagram outlines the file naming convention for As-built drawings:

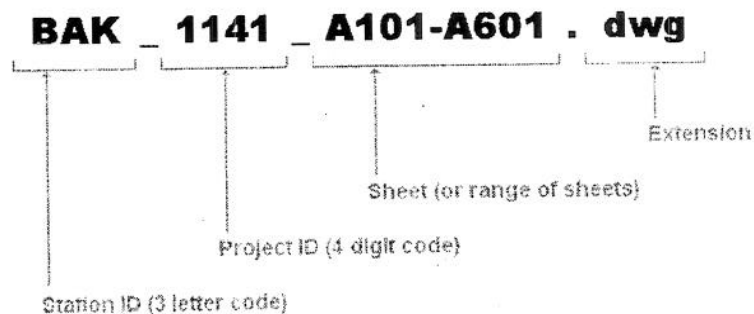


Some examples of the Facility ID (Building Name) include:

- Antenna
- Site
- Building

Project Drawings

The following diagram outlines the file naming convention for Project drawings:



Revision Note: The file must only contain one sheet not a range of sheets as shown above.

Sheet Naming Convention

The following outlines the naming convention for Project drawings:

Standard Architectural Drawing Set

G-00#	Cover Sheets
A-0##	Drawing Index, Symbols, General Notes, Abbreviations
AD1-0##	Architecture Demolition Plans
A-1##	Architecture Floor Plans, Reflective Ceiling Plans
A-2##	Building Elevations
A-3##	Building Sections
A-4##	Large scale plans
A-5##	Large scale elevations
A-6##	Large scale elevations - interior elevations
A-7##	Details
A-8##	Schedules and Diagrams
A-9##	3D Views (Isometric, perspectives, photographs)

Standard Antenna Drawing Set

AT-0##	Drawing Index, Symbols, General Notes, Abbreviations
ATD1-0##	Antenna Field Demolition Plans
AT-1##	Antenna Field Plans
AT-2##	Antenna Grounding Plan
AT-3##	Antenna Towers
AT-4##	Antenna Foundation Plans
AT-5##	Antenna Field One-Line Diagram
AT-6##	Antenna Field Electrical Distribution
AT-7##	Details
AT-8##	Antenna Switching System
AT-9##	User Preference

Standard Structural Drawing Set

S-00##	Abbreviations, Legend, Symbols & General Notes
SD1-0##	Structural Demolition Plans
S-1##	Structural Floor Plans
S-2##	User Preference
S-3##	User Preference
S-4##	User Preference
S-5##	User Preference
S-6##	Details
S-7##	Schedules
S-8##	User Preference
S-9##	User Preference

Standard Mechanical Drawing Set

M-00##	Abbreviations, Legend, Symbols & General Notes
MD1-0##	Mechanical Demolition Plans
M-1##	HVAC Floor Plans - Air Side
M-2##	HVAC Floor Plans - Water Side
M-3##	Building Sections
M-4##	Large Scale/Enlarged Plans
M-5##	Risers/Single Line Diagrams
M-6##	Details
M-7##	Schedules
M-8##	Control Diagrams
M-9##	Special Systems

Standard Plumbing Drawing Set

P-00##	Abbreviations, Legend, Symbols & General Notes
PD1-0##	Plumbing Demolition Plans
P-1##	Floor Plans
P-2##	User Preference
P-3##	Building Sections
P-4##	Large Scale/Enlarged Plans
P-5##	Risers/Single Line Diagrams
P-6##	Details
P-7##	Schedules
P-8##	Special Systems
P-9##	Special Systems, User Preference

Standard Fire Protection Drawing Set

F-00##	Abbreviations, Legend, Symbols & General Notes
FD1-0##	Fire Protection Demolition Plans
F-1##	Floor Plans
F-2##	User Preference
F-3##	Building Sections
F-4##	Large Scale/Enlarged Plans
F-5##	Risers/Single Line Diagrams
F-6##	Details
F-7##	Schedules
F-8##	Special Systems
F-9##	Special Systems, User Preference

Standard Electrical Drawing Set

E-00##	Abbreviations, Legend, Symbols & General Notes
ED1-0##	Electrical Demolition Plans
E-1##	Lighting Plans
E-2##	Power Plans
E-3##	Fire Alarm Plans
E-4##	Partial Plans/Closet Details
E-5##	Risers/Single Line Diagrams
E-6##	Details, Elevations, Sections
E-7##	Schedules
E-8##	Lightning Protection
E-9##	Special Systems

Standard Telecommunications Drawing Set

T-00##	Abbreviations, Legend, Symbols & General Notes
TD1-0##	Telecommunications Demolition Plans
T-1##	Telecommunications Plans
T-2##	User Preference
T-3##	User Preference
T-4##	Partial Plans/Closet Details
T-5##	Risers/Single Line Diagrams
T-6##	Details, Elevations, Sections
T-7##	Schedules
T-8##	Connectivity Diagrams
T-9##	Special Systems

LAYERING

Overview

To ensure that the drawing information is consistent, the placement of entities on the correct layer is essential. The golden rule with regards to using layers is:

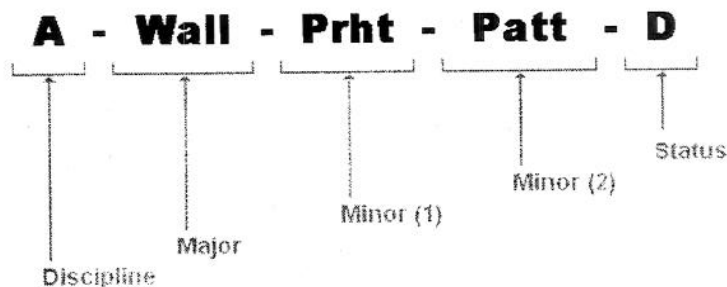
On no account should entities be drawn and saved on layer 0

Naming

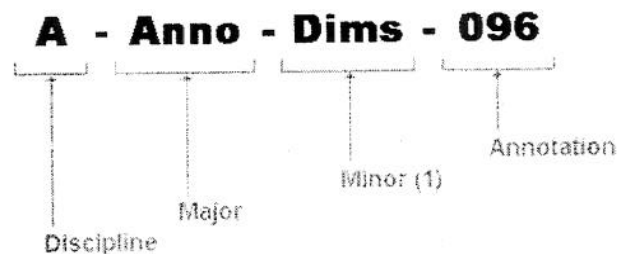
Layer naming is based on the AIA CAD Layer Guidelines, Version 2, published in 1998. The guideline consists of six fields:

- Discipline
- Major
- Minor1
- Minor2
- Status
- Annotation

Each field consists of four characters, except the Discipline and Status fields which are only one and the Annotation field is as many as needed (3 to 5). Each field is separated by a hyphen. Every layer name will have a Discipline and Major field, but the Minor1, Minor2, Status, and Annotation fields are optional. Only construction elements (i.e. walls, doors, and windows, not text and dimensions) will have a Status field, for example:



Only annotation (text, dimensions, etc.) will have an annotation field which is an indicator of drawing scale, for example:



The following is a list of the different possible values for each of the six fields. This list contains more values than are used in the layer list so that if new layers need to be created, you can use these values as reference:

DISCIPLINE	
VALUE	DESCRIPTION
A	Architectural
B	Geotechnical
C	Civil
D	Process
E	Electrical
F	Fire Protection
G	General
H	Hazardous Materials
I	Interiors
L	Landscape
M	Mechanical
O	Operations
P	Plumbing
Q	Equipment
R	Resource
S	Structural
T	Telecommunications
V	Surveying / Mapping
W	Civil Works
X	Other Disciplines
Z	Contractor / Shop Drawings

MAJOR	
VALUE	DESCRIPTION
Ancr	Anchors
Angl	Angles
Alrm	Alarm Systems
Anno	Annotation
Area	Areas
Beam	Beams
Bell	Bell Systems
Bldg	Buildings and Primary Structures
Brac	Bracing
Brdg	Bridges
Cing	Ceiling Information
Cols	Columns
Comm	Communication
Data	Data / LAN Systems
Deck	Structural Decks
Detl	Details
Door	Doors
Driv	Driveways

MAJOR	
VALUE	DESCRIPTION
Eqpm	Office Equipment
Esmt	Easements
Fenc	Fencing
Fire	Fire Protection
Fixt	Fixtures
Flor	Floor Information
Fndn	Foundations
Fram	Framing
Furn	Furniture
Glaz	Windows
Grid	Grids
Hdwr	Hardware
Hvac	HVAC
Irrg	Irrigation
Jois	Joists
Lite	Light Fixtures
Ngas	Natural Gas
Phon	Telephone Systems
Plan	Key Plans (floor plans)
Plnt	Plants
Pond	Ponds
Powr	Power
Prkg	Parking
Prop	Property Lines
Prot	Fire Protection Systems
Radl	Ground Radials
Rail	Railroads
Rdtn	Radiation Hazard Contours
Rfln	RF Transmission Lines
Road	Roadways
Roof	Roofs
Sect	Sections
Sert	Security Systems
Shev	Sheaves
Site	Site
Slab	Slabs
Sswr	Sanitary Sewer Systems
Strm	Storm Drainage Systems
Swlk	Sidewalks
Topo	Topography
Trns	Transmitters
Trus	Trusses
Wall	Walls
Watr	Water Supply Systems
Wire	Antenna Support Cables

MINOR1	
VALUE	DESCRIPTION
@###	Optional Detail Number (one letter and three numbers)
1lin	One-line diagrams
Abt	Anchor Bolts
Accs	Access
Alum	Aluminum
Asph	Asphalt Surfaces
Beam	Beams
Blun	Baluns
Bndy	Boundary
Brkl	Breaklines
Cabl	Cable / Cable Trays
Cars	Cars and Other Vehicles
Case	Casework
Catv	Cable Television
Cavi	Cavity
Cdff	Ceiling Diffusers
Char	Chairs and Other Seating
Circ	Circuits
Clhd	Ceiling Heads
Cing	Ceiling Mounted
Cntr	Centerline
Conc	Concrete
Cplr	Directional Couplers
Curb	Curbs
Deck	Decks
Devc	Devices
Diag	Diagrams
Dims	Dimensions
Dlay	Delay Lines
Door	Equipment Doors
Duct	Ductwork
Edge	Edge
Evtr	Elevator Cars and Equipment
File	File Cabinets
Fire	Fire Wall
Fixd	Fixed in Place
Fnsh	Finishes
Free	Freestanding
Full	Full Height
Grid	Grids
Head	Door and Window Headers
Hral	Handrails, Guard Rails
Jbox	Junction Boxes
Jois	Joists
Keyn	Keynotes
Legn	Legends, Symbol Keys

MINOR1

VALUE	DESCRIPTION
Levl	Level Changes
Majr	Major Topographical Contours
Matc	Match Lines
Mbnd	Material Beyond
Mcut	Material Cut
Minr	Minor Topographical Contours
Move	Moveable
Nicn	Not in Contract
Nocu	Non-occupational
Note	Notes
Nplt	Non-plotting Graphic Information
Occp	Occupant or Employee Names
Occu	Occupational
Open	Openings
Otlr	Outlines
Ovhd	Overhead
Panel	Panels
Patt	Texture or Hatch Patterns
Plnt	Plants
Pnls	System Panels
Prht	Partial Height
Rail	Railings
Rais	Raised
Rdff	Return Air Diffusers
Redl	Redlines
Revs	Revisions
Risr	Risers
Rope	Wire Rope
Sdff	Supply Diffusers
Sign	Signage
Sill	Window Sills
Spcl	Specialties
Strd	Structural Strand
Strs	Stairs, Escalators, Ladders
Susp	Suspended Elements
Swch	Switches
Symb	Symbols
Tees	Main Tees
Text	Text
Thut	Tuning Hut
Titl	Drawing or Title Lines
Tptn	Toilet Partitions
Trfm	Transformers
Ttlb	Borders and Titleblocks
Util	Utilities
Wall	Walls
Wksf	System Work Surface Components

MINOR2	
VALUE	DESCRIPTION
Back	Back
Bore	Borings
Botm	Bottom
Horz	Horizontal
Iden	Identification Tags
Numb	Numbers
Ovhd	Overhead
Patt	Textures and Hatch Patterns
Perm	Permanent
Prim	Primary
Secd	Secondary
Temp	Temporary
Undr	Underground
Vert	Vertical









STATUS	
VALUE	DESCRIPTION
D	Existing to be Demolished
E	Existing to Remain
F	Future Work
M	Items to be Moved
N	New Work
T	Temporary Work
X	Not in Contract
1	Phase 1
2	Phase 2
3	Phase 3
4	Phase 4
5	Phase 5
6	Phase 6
7	Phase 7
8	Phase 8
9	Phase 9











ANNOTATION	
VALUE	DESCRIPTION
001	Full Scale
012	1" = 1'-0"
024	1/2" = 1'-0"
032	3/8" = 1'-0"
048	1/4" = 1'-0"
064	3/16" = 1'-0"
096	1/8" = 1'-0"
192	1/16" = 1'-0"
4200	1" = 350'-0"
9600	1" = 800'-0"
020	1:20 Scale
050	1:50 Scale
100	1:100 Scale
200	1:200 Scale
500	1:500 Scale
1000	1:1,000 Scale
2500	1:2,500 Scale
3000	1:3,000 Scale
5000	1:5,000 Scale
10000	1:10,000 Scale





Properties












All layer colors are predetermined and are not left up to the user. Most colors represent the different drawing entities. Some colors have special meaning. Color 30, a dull orange, is meant to represent "wrong layer" so that nothing should remain on a layer with that color when saved. Layer "0" is color 30 to help remind users not to leave entities on that layer. Color 243, a rose color, is meant to represent "non-plotting" so that nothing placed on a layer with that color will plot. The "DefPoints" and "Viewports" layers use this color.













Use the following table for reference for all layer properties:





AUTOCAD				
NAME	COLOR	LINETYPE	PLOT	OBJECTS / DESCRIPTION
0	 30	Continuous		None
Construction	 243	Continuous		Non-plotting Construction Lines
Defpoints	 243	Continuous		Dimension Origin Points
Viewports	 243	Continuous		Viewports
XREF-NAME	 7	Continuous		X-Ref's (replace NAME with name of X-Ref)













ANNOTATION				
NAME	COLOR	LINETYPE	PLOT	OBJECTS / DESCRIPTION
A-Anno-Dims	 7	Continuous		Dimensions
A-Anno-Keyn	 7	Continuous		Keynotes and Flags
A-Anno-Legn	 7	Continuous		Schedule Tables and Legends
A-Anno-Matc	 7	Continuous		Match Lines
A-Anno-Note	 7	Continuous		Notes
A-Anno-Nplt	 243	Continuous		Non-plotting Annotation
A-Anno-Revs	 7	Continuous		Revisions
A-Anno-Symb	 7	Continuous		Symbols
A-Anno-Ttib	 7	Continuous		Titleblocks and Borders















AREAS				
NAME	COLOR	LINETYPE	PLOT	OBJECTS / DESCRIPTION
A-Area	 6	Continuous		Areas and Spaces
A-Area-Iden	 7	Continuous		Room Numbers
A-Area-Occp	 7	Continuous		Room Names
A-Area-Patt	 8	Continuous		Area and Space Hatching











CEILING INFORMATION				
NAME	COLOR	LINETYPE	PLOT	OBJECTS / DESCRIPTION
A-Cing		3	Continuous	New Ceiling Objects (soffits, bulkheads, etc.)
A-Cing-D		10	Hidden2	Demo Ceiling Objects (soffits, bulkheads, etc.)
A-Cing-E		94	Continuous	Existing Ceiling Objects (soffits, bulkheads, etc.)
A-Cing-Grid		1	Continuous	New Ceiling Grids
A-Cing-Grid-D		10	Hidden2	Demo Ceiling Grids
A-Cing-Grid-E		14	Continuous	Existing Ceiling Grids
A-Cing-Iden		7	Continuous	Ceiling Tags
A-Cing-Nplt		243	Continuous	Non-plotting Ceiling Objects
A-Cing-Patt		8	Continuous	New Ceiling Hatching
A-Cing-Patt-D		10	Hidden2	Demo Ceiling Hatching
A-Cing-Patt-E		252	Continuous	Existing Ceiling Hatching








DETAILS				
NAME	COLOR	LINETYPE	PLOT	OBJECTS / DESCRIPTION
A-Detl		7	Continuous	Details
A-Detl-Dims		7	Continuous	Dimensions
A-Detl-Keyn		7	Continuous	Keynotes and Flags
A-Detl-Mcut		5	Continuous	Material Cut
A-Detl-Medm		3	Continuous	Medium Lines
A-Detl-Note		7	Continuous	Notes
A-Detl-Patt		8	Continuous	Hatching
A-Detl-Symb		7	Continuous	Symbols
A-Detl-Thck		4	Continuous	Thick Lines
A-Detl-Thin		2	Continuous	Thin Lines
A-Detl-Ttlb		7	Continuous	Titleblocks and Borders
A-Detl-Xthn		1	Continuous	Extra Thin Lines



DOORS				
NAME	COLOR	LINETYPE	PLOT	OBJECTS / DESCRIPTION
A-Door		3	Continuous	New Doors
A-Door-D		10	Hidden2	Demo Doors
A-Door-E		94	Continuous	Existing Doors
A-Door-Iden		7	Continuous	Door Tags













FLOOR INFORMATION				
NAME	COLOR	LINETYPE	PLOT	OBJECTS / DESCRIPTION
A-Eqpm		1	Continuous	New Office Equipment / Appliances
A-Eqpm-D		10	Hidden2	Demo Office Equipment / Appliances
A-Eqpm-E		14	Continuous	Existing Office Equipment / Appliances
A-Eqpm-Iden		7	Continuous	Office Equipment / Appliance Tags
A-Eqpm-Nicn		1	Continuous	Office Equipment / Appliance Not in Contract
A-Flor-Case		2	Continuous	New Casework
A-Flor-Case-D		10	Hidden2	Demo Casework
A-Flor-Case-E		54	Continuous	Existing Casework
A-Flor-Case-Iden		7	Continuous	Casework Tags
A-Flor-Evtr		3	Continuous	Elevators and Equipment
A-Flor-Hral		2	Continuous	New Handrails / Guardrails
A-Flor-Hral-D		10	Hidden2	Demo Handrails / Guardrails

FLOOR INFORMATION					
NAME		COLOR	LINETYPE	PLOT	OBJECTS / DESCRIPTION
A-Flor-Hral-E		54	Continuous		Existing Handrails / Guardrails
A-Flor-Iden		7	Continuous		Finish Tags
A-Flor-Patt		8	Continuous		New Floor Hatching / Patterns
A-Flor-Patt-D		10	Hidden2		Demo Floor Hatching / Patterns
A-Flor-Patt-E		252	Continuous		Existing Floor Hatching / Patterns
A-Flor-Spcl		1	Continuous		New Specialties (toilet room accessories, display cases)
A-Flor-Spcl-D		10	Hidden2		Demo Specialties (toilet room accessories, display cases)
A-Flor-Spcl-E		14	Continuous		Existing Specialties (toilet room accessories, display cases)
A-Flor-Strs		3	Continuous		New Stairs and Escalators
A-Flor-Strs-D		10	Hidden2		Demo Stairs and Escalators
A-Flor-Strs-E		94	Continuous		Existing Stairs and Escalators
A-Flor-Tptn		2	Continuous		New Toilet Partitions
A-Flor-Tptn-D		10	Hidden2		Demo Toilet Partitions
A-Flor-Tptn-E		54	Continuous		Existing Toilet Partitions

FURNISHINGS					
NAME		COLOR	LINETYPE	PLOT	OBJECTS / DESCRIPTION
A-Furn		1	Continuous		New Furnishings
A-Furn-D		10	Hidden2		Demo Furnishings
A-Furn-E		14	Continuous		Existing Furnishings
A-Furn-Iden		7	Continuous		Furnishing Tags
A-Furn-Pnls		2	Continuous		New Systems Furniture Panels
A-Furn-Pnls-D		10	Hidden2		Demo Systems Furniture Panels
A-Furn-Pnls-E		54	Continuous		Existing Systems Furniture Panels
A-Furn-Wksf		2	Continuous		New Systems Furniture Worksurfaces
A-Furn-Wksf-D		10	Hidden2		Demo Systems Furniture Worksurfaces
A-Furn-Wksf-E		54	Continuous		Existing Systems Furniture Worksurfaces

WINDOWS					
NAME		COLOR	LINETYPE	PLOT	OBJECTS / DESCRIPTION
A-Glaz		3	Continuous		New Windows / Glazing
A-Glaz-D		10	Hidden2		Demo Windows / Glazing
A-Glaz-E		94	Continuous		Existing Windows / Glazing
A-Glaz-Iden		7	Continuous		Window Tags
A-Glaz-Sill		1	Continuous		New Window Sills
A-Glaz-Sill-D		10	Hidden2		Demo Window Sills
A-Glaz-Sill-E		14	Continuous		Existing Window Sills

ROOFS					
NAME		COLOR	LINETYPE	PLOT	OBJECTS / DESCRIPTION
A-Roof		4	Continuous		Roofs
A-Roof-Otin		1	Dashed		Roof Outlines








SECTIONS				
NAME	COLOR	LINETYPE	PLOT	OBJECTS / DESCRIPTION
A-Sect		7	Continuous	Sections
A-Sect-Dims		7	Continuous	Dimensions
A-Sect-Keyn		7	Continuous	Keynotes and Flags
A-Sect-Mcut		5	Continuous	Material Cut
A-Sect-Medm		3	Continuous	Medium Lines
A-Sect-Note		7	Continuous	Notes
A-Sect-Patt		8	Continuous	Hatching
A-Sect-Symb		7	Continuous	Symbols
A-Sect-Thck		4	Continuous	Thick Lines
A-Sect-Thin		2	Continuous	Thin Lines
A-Sect-Tt1b		7	Continuous	Titleblocks and Borders
A-Sect-Xthn		1	Continuous	Extra Thin Lines





WALLS				
NAME	COLOR	LINETYPE	PLOT	OBJECTS / DESCRIPTION
A-Wall		4	Continuous	New Walls
A-Wall-Comp		1	Continuous	New Wall Components
A-Wall-Comp-E		14	Continuous	Existing Wall Components
A-Wall-D		10	Hidden2	Demo Walls
A-Wall-E		134	Continuous	Existing Walls
A-Wall-Head		1	Dashed2	New Door and Window Headers
A-Wall-Head-D		10	Hidden2	Demo Door and Window Headers
A-Wall-Head-E		14	Dashed2	Existing Door and Window Headers
A-Wall-Iden		7	Continuous	Wall Tags
A-Wall-Open		2	Dashed2	New Openings
A-Wall-Open-E		54	Dashed2	Existing Openings
A-Wall-Patt		8	Continuous	New Wall Hatching
A-Wall-Patt-D		14	Hidden2	Demo Wall Hatching
A-Wall-Patt-E		252	Continuous	Existing Wall Hatching
A-Wall-Prht		2	Continuous	New Partial-height Walls
A-Wall-Prht-D		10	Hidden2	Demo Partial-height Walls
A-Wall-Prht-E		54	Continuous	Existing Partial-height Walls

CIVIL					
NAME	COLOR		LINETYPE	PLOT	OBJECTS / DESCRIPTION
C-Anno-Dims		7	Continuous		Dimensions
C-Anno-Keyn		7	Continuous		Keynotes and Flags
C-Anno-Legn		7	Continuous		Schedule Tables and Legends
C-Anno-Matc		7	Continuous		Match Lines
C-Anno-Note		7	Continuous		Notes
C-Anno-Nplt		243	Continuous		Non-plotting Annotation
C-Anno-Revs		7	Continuous		Revisions
C-Anno-Symb		7	Continuous		Symbols
C-Anno-Ttlb		7	Continuous		Titleblocks and Borders
C-Bldg		6	Continuous		Building Footprints
C-Bldg-Patt		8	Continuous		Building Footprints Hatching
C-Brdg		5	Continuous		Bridges
C-Driv		3	Continuous		Driveways
C-Fenc		2	Fenceline1		Fences
C-Ngas		6	Gas_Line		Gas Lines
C-Pond		3	Continuous		Bodies of Water
C-Powr		4	Dashed		Power Lines
C-Prkg		2	Continuous		Pavement Markings
C-Prkg-Cars		1	Continuous		Vehicles
C-Prop		5	Phantom		Property Lines
C-Prop-Esmt		3	Divide		Easements
C-Prop-Sbck		4	Border		Setbacks
C-Rail		3	Continuous		Railroads
C-Road-Cntr		1	Center		Centerlines
C-Road-Curb		3	Continuous		Curbs
C-Sswr		5	DashDot		Sanitary Sewers
C-Strm		5	Hidden		Storm Water Drains
C-Swlk		2	Continuous		Sidewalks
C-Topo-Majr		2	Continuous		Major Contour Lines
C-Topo-Minr		1	Continuous		Minor Contour Lines
C-Wall		4	Continuous		Retaining Walls
C-Watr		6	Border		Water Lines





























ELECTRICAL					
NAME	COLOR		LINETYPE	PLOT	OBJECTS / DESCRIPTION
E-Alrm		4	Continuous		Alarm Systems
E-Anno-Dims		7	Continuous		Dimensions
E-Anno-Keyn		7	Continuous		Keynotes and Flags
E-Anno-Legn		7	Continuous		Schedule Tables and Legends
E-Anno-Matc		7	Continuous		Match Lines
E-Anno-Note		7	Continuous		Notes
E-Anno-Npit		243	Continuous		Non-plotting Annotation
E-Anno-Revs		7	Continuous		Revisions
E-Anno-Symb		7	Continuous		Symbols
E-Anno-Ttlb		7	Continuous		Titleblocks and Borders
E-Comm		4	Continuous		New Telephone/Communication Systems
E-Comm-D		14	Hidden2		Demo Telephone/Communication Systems
E-Comm-E		134	Continuous		Existing Telephone/Communication Systems
E-Data		3	Continuous		New Data/LAN Systems
E-Data-D		14	Hidden2		Demo Data/LAN Systems
E-Data-E		94	Continuous		Existing Data/LAN Systems
E-Lite		4	Continuous		New Lighting
E-Lite-D		14	Hidden2		Demo Lighting
E-Lite-E		134	Continuous		Existing Lighting
E-Lite-Emer		5	Continuous		New Emergency Lighting
E-Lite-Emer-D		14	Hidden2		Demo Emergency Lighting
E-Lite-Emer-E		174	Continuous		Existing Emergency Lighting
E-Lite-Exit		5	Continuous		New Exit Lighting
E-Lite-Exit-D		14	Hidden2		Demo Exit Lighting
E-Lite-Exit-E		174	Continuous		Existing Exit Lighting
E-Lite-Iden		7	Continuous		Lighting Tags
E-Lite-Swch		3	Continuous		New Switches
E-Lite-Swch-D		14	Hidden2		Demo Switches
E-Lite-Swch-E		94	Continuous		Existing Switches
E-Powr		2	Continuous		New Power / Wiring
E-Powr-D		14	Hidden2		Demo Power / Wiring
E-Powr-E		54	Continuous		Existing Power / Wiring
E-Powr-Iden		7	Continuous		Power / Wiring Tags
E-Sert		4	Continuous		New Security Systems
E-Sert-D		14	Hidden2		Demo Security Systems
E-Sert-E		134	Continuous		Existing Security Systems

LANDSCAPE					
NAME	COLOR		LINETYPE	PLOT	OBJECTS / DESCRIPTION
L-Plnt		1	Continuous		Landscaped Plants and Shrubs
L-Site		2	Continuous		Site Improvements

MECHANICAL					
NAME	COLOR	LINETYPE	PLOT	OBJECTS / DESCRIPTION	
M-Anno-Dims		7	Continuous		Dimensions
M-Anno-Keyn		7	Continuous		Keynotes and Flags
M-Anno-Legn		7	Continuous		Schedule Tables and Legends
M-Anno-Matc		7	Continuous		Match Lines
M-Anno-Note		7	Continuous		Notes
M-Anno-Nplt		243	Continuous		Non-plotting Annotation
M-Anno-Revs		7	Continuous		Revisions
M-Anno-Symb		7	Continuous		Symbols
M-Anno-Ttlb		7	Continuous		Titleblocks and Borders
M-Hvac		4	Continuous		New HVAC Systems
M-Hvac-D		14	Hidden2		Demo HVAC Systems
M-Hvac-E		134	Continuous		Existing HVAC Systems
M-Hvac-Iden		7	Continuous		HVAC System Tags
M-Hvac-Rdff		4	Continuous		New Return Air Diffusers
M-Hvac-Rdff-D		14	Hidden2		Demo Return Air Diffusers
M-Hvac-Rdff-E		134	Continuous		Existing Return Air Diffusers
M-Hvac-Sdff		4	Continuous		New Supply Air Diffusers
M-Hvac-Sdff-D		14	Hidden2		Demo Supply Air Diffusers
M-Hvac-Sdff-E		134	Continuous		Existing Supply Air Diffusers
M-Pipe		3	Continuous		New Piping Systems
M-Pipe-D		14	Hidden2		Demo Piping Systems
M-Pipe-E		94	Continuous		Existing Piping Systems
M-Pipe-Iden		7	Continuous		Piping Tags

PLUMBING					
NAME	COLOR	LINETYPE	PLOT	OBJECTS / DESCRIPTION	
P-Fixt		2	Continuous		New Plumbing Fixtures
P-Fixt-D		14	Hidden2		Demo Plumbing Fixtures
P-Fixt-E		54	Continuous		Existing Plumbing Fixtures
P-Fixt-Iden		7	Continuous		Plumbing Fixture Tags

EQUIPMENT					
NAME	COLOR	LINETYPE	PLOT	OBJECTS / DESCRIPTION	
Q-Radi		3	Continuous		Ground Radials
Q-Rdtn		1	Continuous		Radiation Hazard Contours
Q-Rdtn-Nocu		1	Continuous		Radiation Hazard Contours – Non-occupational
Q-Rdtn-Occu		1	Continuous		Radiation Hazard Contours – Occupational
Q-Rfln		2	Continuous		RF Transmission Lines
Q-Rfln-Blun		2	Continuous		RF Transmission Lines – Baluns
Q-Rfln-Cplr		2	Continuous		RF Transmission Lines – Directional Couplers
Q-Rfln-Dlay		2	Continuous		RF Transmission Lines – Delay Lines
Q-Rfln-Eqpm		2	Continuous		RF Transmission Lines – All Associated Equipment
Q-Rfln-Swch		2	Continuous		RF Transmission Lines – Slew Switches
Q-Rfln-Thut		2	Continuous		RF Transmission Lines – Tuning Huts
Q-Rfln-Trfm		2	Continuous		RF Transmission Lines – RF Transformers
Q-Trns		4	Continuous		Transmitters
Q-Trns-Comm		2	Continuous		Transmitters – Communications Equipment
Q-Trns-Ctrl		2	Continuous		Transmitters – Control Room Equipment

STRUCTURAL					
NAME	COLOR	LINETYPE	PLOT	OBJECTS / DESCRIPTION	
S-Ancr		2	Continuous		Anchors
S-Angl		2	Continuous		Angles
S-Anno-Dims		7	Continuous		Dimensions
S-Anno-Keyn		7	Continuous		Keynotes and Flags
S-Anno-Legn		7	Continuous		Schedule Tables and Legends
S-Anno-Matc		7	Continuous		Match Lines
S-Anno-Note		7	Continuous		Notes
S-Anno-Nplt		243	Continuous		Non-plotting Annotation
S-Anno-Revs		7	Continuous		Revisions
S-Anno-Symb		7	Continuous		Symbols
S-Anno-Ttlb		7	Continuous		Titleblocks and Borders
S-Beam		5	Phantom		Beams
S-Brac		3	Dashed		Braces
S-Cols		5	Continuous		Columns
S-Grid		8	Center2		Column Grids
S-Grid-Dims		7	Continuous		Column Grid Dimensions
S-Grid-Iden		8	Center2		Column Grid Bubbles
S-Grid-Nplt		243	Continuous		Non-plotting Column Grids
S-Hdwr		2	Continuous		Hardware
S-Jois		4	Dashdot		Joists
S-Shev		2	Continuous		Sheaves
S-Slab		1	Continuous		Slabs
S-Trus		4	Continuous		Trusses
S-Wire		5	Continuous		Antenna Support Cables
S-Wire-Strd		5	Continuous		Antenna Support Cables – Structural Strand
S-Wire-Rope		4	Continuous		Antenna Support Cables – Wire Rope

TEMPLATES

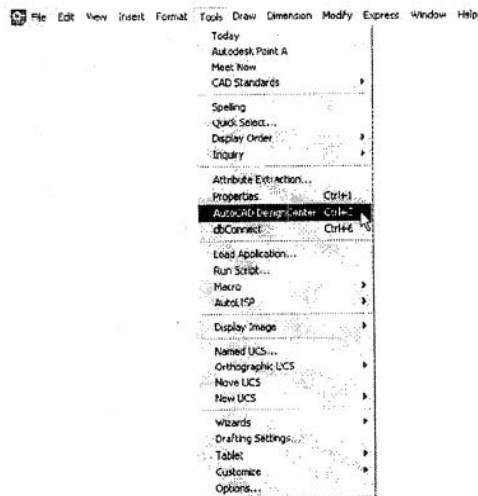
Overview

Templates allow each user to begin with the standards already incorporated into their new drawing. Templates can be used to begin a new drawing or to work with existing drawings.

Sometimes information is purged from a drawing that is later needed (for example, some layers may have been purged accidentally). Re-inserting any of this information is handled with the use of a "Standards" drawing. This is a DWG file called:

X:\CADD Standards\IBB Standards.dwg

Anytime you need information not already contained within the drawing, you can drag-and-drop that information (layers, layouts, blocks, etc.) from the Standards drawing using the AutoCAD DesignCenter...



Drawing Setup

The templates ("IBB Imperial Template.dwt" and "IBB Metric Template.dwt") and Standards drawing ("IBB Standards.dwg") include the following information and configurations:

Units and Limits

The units are set to Architectural (for the imperial template) with a precision of 1/32" and to Decimal, equating to millimeters, (for the metric template) with a precision of 0.1 units. The limits reflect an Architectural 'D' size sheet (24" x 36") at 1/8" = 1'-0" scale for Architectural and 1:100 for Metric.

Layers

All the standard layers are included and set with the correct properties. For more information and a complete layer list with corresponding properties, see the section titled "Layering."

Text and Dimension Styles

All text and dimension styles are included in the templates and should not be modified. For more information, see the sections titled "Text" and "Dimensions."

Layouts

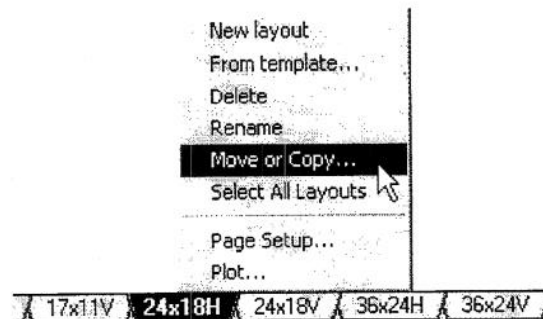
The Standards drawing ("IBB Standards.dwg") includes several layouts, all named after sheet sizes and titleblock orientation (horizontal or vertical). These layouts are blank and are setup to receive externally referenced project titleblocks. They contain viewports and have page setups assigned to them for plotting purposes. The names of these layouts are:

- "8½x11S (Blank)" (Sketch)
- "11x8½S (Blank)" (Sketch)
- "17x11S (Blank)" (Sketch)
- "17x11H" (Horizontal) and "17x11V" (Vertical)
- "24x18H" (Horizontal) and "24x18V" (Vertical)
- "36x24H" (Horizontal) and "36x24V" (Vertical)

Also included with these blank layouts are three sketch layouts that contain sketch titleblocks. These layouts are used for quick drag-and-drop insertion into a sheet drawing without the need to create an externally referenced project sketch titleblock. The names of these layouts are:

- "8½x11S" (Sketch titleblock included)
- "11x8½S" (Sketch titleblock included)
- "17x11S" (Sketch titleblock included)

After the required layout or layouts have been imported into a sheet drawing they can be copied, moved, and renamed within that sheet drawing by right-clicking on the layout tab and choosing the appropriate menu item from the shortcut menu:



Existing Drawings

To work with existing drawings that do not yet use the standards, just start with the appropriate template and insert the existing drawing just as if it was a block. After exploding it, you can then save it back to the existing drawing and overwrite it.

TEXT

Styles

All text should be one of the standard styles outlined below. Each style uses its own fonts and height settings and is specific to a particular scale. The following is a list of all the text styles and their properties:

TEXT STYLES				
STYLE	FONT	WIDTH	HEIGHT	DESCRIPTION
IBB Notes	RomanS	0.8	0"	Notes, Keynotes, Labels
IBB Headers	Arial	1.0	0"	Headers, Room Title, Bold Notes
IBB Titles	Arial Bold	1.0	0"	Titles, Very Large Notes
IBB Dimensions	RomanS	0.8	0"	Dimensions

The text heights are all set to 0" so that the height can be determined upon insertion. The following tables can be used as a reference when placing text and determining their heights, both imperial and metric:

WORKING SCALE:		SET TEXT HEIGHT TO:		
UNITS	SCALE	IBB Notes	IBB Headers	IBB Titles
Imperial	Full Scale	3/32"	1/8"	1/4"
	1" = 1'-0"	1 1/8"	1 1/2"	3"
	1/2" = 1'-0"	2 1/4"	3"	6"
	3/8" = 1'-0"	3"	4"	8"
	1/4" = 1'-0"	4 1/2"	6"	1'-0"
	3/16" = 1'-0"	6"	8"	1'-4"
	1/8" = 1'-0"	9"	1'-0"	2'-0"
	1/16" = 1'-0"	1'-6"	2'-0"	4'-0"
	1" = 350'-0"	32'-9 3/4"	43'-9"	87'-6"
	1" = 800'-0"	75'-0"	100'-0"	200'-0"
	1:20	1 7/8"	2 1/2"	5"
	1:50	4 11/16"	6 1/4"	1'-0 1/2"
	1:100	9 3/8"	1'-0 1/2"	2'-1"
	1:200	1'-6 3/4"	2'-1"	4'-2"
	1:500	3'-10 7/8"	5'-2 1/2"	10'-5"
	1:1,000	7'-9 3/4"	10'-5"	20'-10"
	1:2,500	19'-6 3/8"	26'-0 1/2"	52'-1"
	1:3,000	23'-5 1/4"	31'-3"	62'-6"
	1:5,000	39'-0 3/4"	52'-1"	104'-2"
	1:10,000	78'-1 1/2"	104'-2"	208'-4"

WORKING SCALE:		SET TEXT HEIGHT TO:		
UNITS	SCALE	IBB Notes	IBB Headers	IBB Titles
Metric	Full Scale	2.5 mm	3 mm	6 mm
	1:20	50 mm	60 mm	120 mm
	1:50	125 mm	150 mm	300 mm
	1:100	250 mm	300 mm	600 mm
	1:200	500 mm	600 mm	1,200 mm
	1:500	1,250 mm	1,500 mm	3,000 mm
	1:1,000	2,500 mm	3,000 mm	6,000 mm
	1:2,500	6,250 mm	7,500 mm	15,000 mm
	1:3,000	7,500 mm	9,000 mm	18,000 mm
	1:5,000	12,500 mm	15,000 mm	30,000 mm
	1:10,000	25,000 mm	30,000 mm	60,000 mm

DIMENSIONS

Styles

Dimension Styles are drawing scale specific so that they can all plot out the same size even though there may be several drawing scales used. Each dimension style is exactly the same except for the "Use overall scale of..." setting (also known as the DIMSCALE). New dimension styles can be created by simply basing them on a current dimension style and changing the overall scale to match the plotted scale. For example, if you only have a style called "IBB Dims 096", used for 1/8" scale drawings, but you need to plot at 1/16", make a new dimension style based on "IBB Dims 096" and call it "IBB Dims 192", then change the overall scale to 192.

The following is a list of some of the dimension styles for both imperial and metric units:

DIMENSION STYLES		
UNITS	STYLE	DRAWING SCALE
Imperial	IBB Imperial 001	Full Scale
	IBB Imperial 012	1" = 1'-0"
	IBB Imperial 024	1/2" = 1'-0"
	IBB Imperial 032	3/8" = 1'-0"
	IBB Imperial 048	1/4" = 1'-0"
	IBB Imperial 064	3/16" = 1'-0"
	IBB Imperial 096	1/8" = 1'-0"
	IBB Imperial 128	3/32" = 1'-0"
	IBB Imperial 192	1/16" = 1'-0"
	IBB Imperial 4200	1" = 350'-0"
	IBB Imperial 9600	1" = 800'-0"
Metric	IBB Metric 1	1:1
	IBB Metric 020	1:20
	IBB Metric 050	1:50
	IBB Metric 100	1:100
	IBB Metric 200	1:200
	IBB Metric 500	1:500
	IBB Metric 1000	1:1,000
	IBB Metric 2500	1:2,500
	IBB Metric 3000	1:3,000
	IBB Metric 5000	1:5,000
	IBB Metric 10000	1:10,000

Dimension Variables

For reference purposes, the following is a list of the dimension variable settings for all dimension styles (the only variable different between styles is the DIMSCALE):

IBB IMPERIAL 1		
DESCRIPTION	VARIABLE	VALUE
Alt precision	DIMALTD	2
Alt prefix and suffix	DIMAPOST	
Alt roundoff	DIMALTRND	0"
Alt scale factor	DIMALTF	25.4
Alt tol precision	DIMALTTD	2
Alt tol zeroes	DIMALTTZ	0
Alt units	DIMALTU	2
Alt zeroes	DIMALTZ	0
Alternate units	DIMALT	Off
Angle format	DIMAUNIT	0
Angle precision	DIMADEC	1
Angle zero suppression	DIMAZIN	0
Arrow	DIMBLK	ClosedFilled
Arrow 1	DIMBLK1	ArchTick
Arrow 2	DIMBLK2	ArchTick
Arrow size	DIMASZ	3/32"
Center mark size	DIMCEN	3/32"
Decimal separator	DIMDSEP	
Dim line LW	DIMLWD	-2
Dim line color	DIMCLRD	BYBLOCK
Dim line ext	DIMDLE	1/16"
Dim line forced	DIMTOFL	On
Dim line spacing	DIMDLI	5/8"
Ext line LW	DIMLWE	-2
Ext line color	DIMCLRE	BYBLOCK
Ext line extension	DIMEXE	1/16"
Ext line offset	DIMEXO	1/16"
Fit: arrow and text	DIMATFIT	3
Fit: text movement	DIMTMOVE	2
Fraction format	DIMFRAC	1
Leader arrow	DIMLDRBLK	ClosedFilled
Length scale	DIMLFAC	1
Length units	DIMLUNIT	4
No dim line 1	DIMSD1	Off
No dim line 2	DIMSD2	Off
No dim lines outside	DIMSOXD	Off
No ext line 1	DIMSE1	Off
No ext line 2	DIMSE2	Off
Precision	DIMDEC	2
Roundoff	DIMRND	0"
Separate arrows	DIMSAH	On
Text color	DIMCLRT	BYBLOCK
Text height	DIMTXT	3/32"
Text inside	DIMTIX	On
Text inside align	DIMTIH	Off
Text offset	DIMGAP	1/16"
Text outside align	DIMTOH	Off
Text pos hor	DIMJUST	0
Text pos vert	DIMTAD	1

IBB IMPERIAL 1		
DESCRIPTION	VARIABLE	VALUE
Text prefix and suffix	DIMPOST	
Text style	DIMTXSTY	IBB Dimensions
Tol dev lower	DIMTM	0"
Tol dev upper	DIMTP	0"
Tol deviation	DIMTOL	Off
Tol limits	DIMLIM	Off
Tol pos vert	DIMTOLJ	1
Tol precision	DIMTDEC	2
Tol text scale factor	DIMTFAC	0.75
Tol zero suppression	DIMTZIN	0
Zero suppression	DIMZIN	3

IBB METRIC 1		
DESCRIPTION	VARIABLE	VALUE
Alt precision	DIMALTD	2
Alt prefix and suffix	DIMAPOST	
Alt roundoff	DIMALTRND	0"
Alt scale factor	DIMALTF	25.4
Alt tol precision	DIMALTTD	2
Alt tol zeroes	DIMALTTZ	0
Alt units	DIMALTU	2
Alt zeroes	DIMALTZ	0
Alternate units	DIMALT	Off
Angle format	DIMAUNIT	0
Angle precision	DIMADEC	1
Angle zero suppression	DIMAZIN	0
Arrow	DIMBLK	ClosedFilled
Arrow 1	DIMBLK1	ArchTick
Arrow 2	DIMBLK2	ArchTick
Arrow size	DIMASZ	2.5
Center mark size	DIMCEN	2.5
Decimal separator	DIMDSEP	.
Dim line LW	DIMLWD	-2
Dim line color	DIMCLR	BYBLOCK
Dim line ext	DIMDLE	2
Dim line forced	DIMTOFL	On
Dim line spacing	DIMDLI	8
Ext line LW	DIMLWE	-2
Ext line color	DIMCLRE	BYBLOCK
Ext line extension	DIMEXE	2
Ext line offset	DIMEXO	2
Fit: arrow and text	DIMATFIT	3
Fit: text movement	DIMTMOVE	2
Fraction format	DIMFRAC	1
Leader arrow	DIMLDRBLK	ClosedFilled
Length scale	DIMLFAC	1
Length units	DIMLUNIT	2
No dim line 1	DIMSD1	Off
No dim line 2	DIMSD2	Off
No dim lines outside	DIMSOXD	Off
No ext line 1	DIMSE1	Off
No ext line 2	DIMSE2	Off
Precision	DIMDEC	0
Roundoff	DIMRND	0
Separate arrows	DIMSAH	On
Text color	DIMCLRT	BYBLOCK

IBB METRIC 1		
DESCRIPTION	VARIABLE	VALUE
Text height	DIMTXT	2.5
Text inside	DIMTIX	On
Text inside align	DIMTIH	Off
Text offset	DIMGAP	1
Text outside align	DIMTOH	Off
Text pos hor	DIMJUST	0
Text pos vert	DIMTAD	1
Text prefix and suffix	DIMPOST	mm
Text style	DIMTXSTY	IBB Dimensions
Tol dev lower	DIMTM	0
Tol dev upper	DIMTP	0
Tol deviation	DIMTOL	Off
Tol limits	DIMLIM	Off
Tol pos vert	DIMTOLJ	1
Tol precision	DIMTDEC	0
Tol text scale factor	DIMTFAC	0.75
Tol zero suppression	DIMTZIN	0
Zero suppression	DIMZIN	3

PLOTTING AND LAYOUTS

Overview

The Standards drawing ("IBB Standards.dwg") contains the standard layouts. Layouts refer to the different Paper Spaces within a drawing. Layouts are individual plot sheets already defined with a page setup, a viewport showing entities in Model Space, and any layer configuration needed. Most plotting will take place from individual layouts, but it is possible to plot from Model Space if a check plot is needed.

Titleblocks

The standard titleblock drawing files reside in the X:\CADD Standards\Titleblocks directory on the network. The following is a list of those titleblocks:

TITLEBLOCKS		
DRAWING NAME	PAPER SIZE	ORIENTATION OR TYPE
IBB 8½x11 (Sketch).dwg	8 1/2 x 11 Portrait	Sketch
IBB 11x8½ (Sketch).dwg	8 1/2 x 11 Landscape	Sketch
IBB 17x11 (Sketch).dwg	11 x 17 Landscape	Sketch
IBB 17x11 (Horizontal).dwg	11 x 17 Landscape	Horizontal
IBB 17x11 (Vertical).dwg	11 x 17 Landscape	Vertical
IBB 24x18 (Horizontal).dwg	18 x 24 Landscape	Horizontal
IBB 24x18 (Vertical).dwg	18 x 24 Landscape	Vertical
IBB 36x24 (Horizontal).dwg	24 x 36 Landscape	Horizontal
IBB 36x24 (Vertical).dwg	24 x 36 Landscape	Vertical

Layouts

The Standards drawing ("IBB Standards.dwg") contains predefined layouts already set up to receive externally referenced project titleblocks. The layouts also contain viewports that are on a no plot layer and are set to an appropriate scale. The following is a list of those layouts along with the corresponding titleblocks that are to be externally referenced into them:

LAYOUTS			
NAME	PAPER SIZE	TITLEBLOCK XREF	VPOR SCALE
8½x11S (Blank)	Letter	IBB 8½x11 (Sketch)	Scaled to Fit
11x8½S (Blank)	Letter	IBB 11x8½ (Sketch)	Scaled to Fit
17x11S (Blank)	11x17	IBB 17x11 (Sketch)	1/8" = 1'-0"
17x11H	11x17	IBB 17x11 (Horizontal)	1/8" = 1'-0"
17x11V	11x17	IBB 17x11 (Vertical)	1/8" = 1'-0"
24x18H	18x24	IBB 24x18 (Horizontal)	1/8" = 1'-0"
24x18V	18x24	IBB 24x18 (Vertical)	1/8" = 1'-0"
36x24H	24x36	IBB 36x24 (Horizontal)	1/8" = 1'-0"
36x24V	24x36	IBB 36x24 (Vertical)	1/8" = 1'-0"




















































Plot Style Tables





















Plot Style Tables define how entities in AutoCAD plot – they are the pen settings. IBB uses several different Plot style tables depending on the scale of the drawing. The following is a list of those Plot Style Tables and their descriptions:

PLOT STYLE TABLES	
NAME	DESCRIPTION
IBB - Large Format.ctb	For plotting large format (1/8", 1/16", site plans, etc.) drawings
IBB - Large Format (existing plots greyed).ctb	Same as above, except existing layers plot 70% grey instead of black
IBB - Small Format.ctb	For plotting small format (1/4", 1/2", etc.) drawings
IBB - Small Format (existing plots greyed).ctb	Same as above, except existing layers plot 70% grey instead of black
Monochrome.ctb	Plots everything black with the layer lineweights

Since AutoCAD entities plot depending on their color, it is important to use the correct color settings. The standard set of layers already have predetermined colors assigned based on how they plot. See the section named "Layering" for more information.

For reference, the following lists the settings for the "IBB - Large Format.ctb" plot style table defining how AutoCAD colors will plot. The "IBB - Small Format.ctb" plot style table is the same except the lineweights are exactly half and the "existing plots greyed" versions cause the existing colors (14, 54, 94, 134, 174, 214) to plot as only 70% black:

IBB - LARGE FORMAT.CTB						
AUTOCAD COLOR			COLOR	LWT	SCREEN	DESCRIPTION
	1	Red	Black	0.02 mm	100%	Extra Thin Lines
	2	Yellow	Black	0.08 mm	100%	Thin Lines
	3	Green	Black	0.14 mm	100%	Medium-Thin Lines
	4	Cyan	Black	0.20 mm	100%	Medium-Thick Lines
	5	Blue	Black	0.30 mm	100%	Thick Lines
	6	Magenta	Black	0.50 mm	100%	Extra Thick Lines
	7	White	Black	0.10 mm	100%	Annotation
	8	-	Black	0.01 mm	90%	Primary Hatch
	9	-	Black	0.01 mm	70%	Secondary Hatch
	14	-	Black	0.02 mm	100%	Extra Thin Lines
	54	-	Black	0.08 mm	100%	Thin Lines
	94	-	Black	0.14 mm	100%	Medium-Thin Lines
	134	-	Black	0.20 mm	100%	Medium-Thick Lines
	174	-	Black	0.30 mm	100%	Thick Lines
	214	-	Black	0.50 mm	100%	Extra Thick Lines
	30	-	Black	0.01 mm	100%	Wrong Layer
	243	-	N/A	0.00 mm	0%	Non-plotting Layer
	250	-	Black	0.01 mm	100%	Black Shading
	251	-	Black	0.01 mm	90%	Grey Shading
	252	-	Black	0.01 mm	70%	Grey Shading
	253	-	Black	0.01 mm	50%	Grey Shading
	254	-	Black	0.01 mm	30%	Grey Shading
	255	-	Black	0.01 mm	10%	Grey Shading
	11	-	11	0.01 mm	100%	Solid Fills
	21	-	21	0.01 mm	100%	Solid Fills
	31	-	31	0.01 mm	100%	Solid Fills
	41	-	41	0.01 mm	100%	Solid Fills
	51	-	51	0.01 mm	100%	Solid Fills
	61	-	61	0.01 mm	100%	Solid Fills
	71	-	71	0.01 mm	100%	Solid Fills
	81	-	81	0.01 mm	100%	Solid Fills
	91	-	91	0.01 mm	100%	Solid Fills
	101	-	101	0.01 mm	100%	Solid Fills
	111	-	111	0.01 mm	100%	Solid Fills
	121	-	121	0.01 mm	100%	Solid Fills
	131	-	131	0.01 mm	100%	Solid Fills
	141	-	141	0.01 mm	100%	Solid Fills
	151	-	151	0.01 mm	100%	Solid Fills
	161	-	161	0.01 mm	100%	Solid Fills
	171	-	171	0.01 mm	100%	Solid Fills
	181	-	181	0.01 mm	100%	Solid Fills
	191	-	191	0.01 mm	100%	Solid Fills
	201	-	201	0.01 mm	100%	Solid Fills
	211	-	211	0.01 mm	100%	Solid Fills
	221	-	221	0.01 mm	100%	Solid Fills
	231	-	231	0.01 mm	100%	Solid Fills
	241	-	241	0.01 mm	100%	Solid Fills
	12	-	12	0.01 mm	100%	Poche
	22	-	22	0.01 mm	100%	Poche
	32	-	32	0.01 mm	100%	Poche
	42	-	42	0.01 mm	100%	Poche

	52	-	52	0.01 mm	100%	Poche
	62	-	62	0.01 mm	100%	Poche
	72	-	72	0.01 mm	100%	Poche
	82	-	82	0.01 mm	100%	Poche
	92	-	92	0.01 mm	100%	Poche
	102	-	102	0.01 mm	100%	Poche
	112	-	112	0.01 mm	100%	Poche
	122	-	122	0.01 mm	100%	Poche
	132	-	132	0.01 mm	100%	Poche
	142	-	142	0.01 mm	100%	Poche
	152	-	152	0.01 mm	100%	Poche
	162	-	162	0.01 mm	100%	Poche
	172	-	172	0.01 mm	100%	Poche
	182	-	182	0.01 mm	100%	Poche
	192	-	192	0.01 mm	100%	Poche
	202	-	202	0.01 mm	100%	Poche
	212	-	212	0.01 mm	100%	Poche
	222	-	222	0.01 mm	100%	Poche
	232	-	232	0.01 mm	100%	Poche
	242	-	242	0.01 mm	100%	Poche

ATTACHMENT J.10 - SF 25 – PERFORMANCE BOND FORM

(Available for downloading at:

<http://www.gsa.gov/Portal/gsa/ep/formslibrary.do?form Type=SF>)

ATTACHMENT J.11 - SF 25A – PAYMENT BOND FORM

(Available for downloading at:

<http://www.gsa.gov/Portal/gsa/ep/formslibrary.do?Form Type=SF>)

ATTACHMENT J.12 - COST PROPSAL BREAKDOWN SHEET
(posted on the FBO as a separate “pdf” file)

**ATTACHMENT J.13 - (a) ACH VENDOR/MISCELLANEOUS PAYMENT
ENROLLMENT FORM (U.S. BANKS ONLY)**
(b) FOREIGN VENDOR PAYMENT FORM
(Available for downloading at:
<http://www.gsa.gov/Portal/gsa/ep/formslibrary.do?form Type=SF>)

ATTACHMENT J.14 DISCLOSURE OF LOBBYING ACTIVITIES (SF LLL)

(Available for downloading at:

<http://www.gsa.gov/Portal/gsa/ep/formslibrary.do?form Type=SF>)